## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner of Patents and Trademarks

Re: Inventors:

Byung-Sung Kwak, Jayanthi Pallinti, and William Barth

Title:

PROCESS FOR REDUCING IMPURITY LEVELS, STRESS, AND RESISTIVITY, AND INCREASING GRAIN SIZE OF COPPER FILLER IN TRENCHES AND VIAS OF INTEGRATED CIRCUIT STRUCTURES TO ENHANCE ELECTRICAL PERFORMANCE OF COPPER FILLER

Transmitted herewith is the patent application identified above, including:

- X Specification, claims and abstract, totaling <u>17</u> pages.
- X Drawings totaling 5 pages, X Formal \_\_\_ Informal
- X Signed Declaration and Power of Attorney.
- X Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i).
- X Information Disclosure Statement and 12 accompanying disclosures.

22388 U.S. PTO 10/676934

Total Claims         16         -20=         X         x \$18.00           Independent Claims         3         -3=         X         x \$84.00           Multiple Dependent Claim Fee (for one or more)         \$280.00	Fee Items	Claims Filed	Included With Basic Fee	Extra Claims	Fee Rate	Total
Independent care in the care i	Total Claims	16	-20=	Х	x \$18.00	\$0.00
Multiple Dependent Claim Fee (for one or more) \$280.00	Independent Claims	3	-3=	Х	x \$84.00	\$0.00
	\$0.00					
Basic Filing Fee \$750.00	\$750.00					
	EES	<del></del>			. <del></del>	\$750.00

 Attached	is	а	check	in	the	amount	οİ	\$·

- X The Commissioner is hereby authorized to charge \$ 750.00 to Deposit Account No. 12-2252
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>12-2252</u>. A duplicate copy of this transmittal is enclosed.
- XX
  Please address all future correspondence to:

Sandeep Jaggi, Chief IP Counsel LSI Logic Corporation Legal Department - IP 1621 Barber Lane, MS D-106 Milpitas, CA 95035

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on

Express Mail Receipt No. \_\_EU881765873US

Date of Deposit September 30, 2003

Signature John P. Baylor

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PATENT TRADEMARK OFFICE

Respectfully submitted,

John P. Taylor
Patent Attorney

Registration No. 22,369

PTO/SB/35 (11-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

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## NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

First N	Named Inventor	Byung-Sung Kwak et al.
Title		REDUCING IMPURITY LEVELS, RESISTIVITY, AND INCREASING.
Atty D	ocket Number	02-5624

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

September 30, 2003

Date

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John P. Taylor

John P. Taylor

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.